

## Product datasheet for PH308130

### PCYT1A (NM\_005017) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PCYT1A MS Standard C13 and N15-labeled recombinant protein (NP_005008)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208130
Predicted MW:	41.6 kDa
Protein Sequence:	>RC208130 representing NM_005017 Red=Cloning site Green=Tags(s)  MDAQCSAKVNARKRRKEAPGPNGATEEDGVPSKVQRCAVGLRQPAPFSDEIEVDFSKPYVRVTMEEASRG TPCERPVRVYADGIFDLFHSGHARALMQAKNLPNTYLIVGVCSDELTHNFKGFTVMNENERYDAVQHCR YVDEVVRNAPWTLTPEFLAEHRIDFVAHDDIPYSSAGSDDVYKHIKEAGMFAPTQRTEGISTSDIITRIV RDYDVYARRNLQRGYTAKELNVSFINEKKYHLQERVDKVKKVKDVEEKSKEFVQKVEEKSIDLIQKWE KSREFIGSFLEMFGPEGALKHMLKEGKGRMLQAI SPKQSPSSSPTRETRSPSPSFRWPFSGKTSPPCSPAN LSRHKAAAYDISEDEED  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005008</u>
RefSeq Size:	1677
RefSeq ORF:	1101
Synonyms:	CCTA; CCTalpha; CT; CTA; CTPCT; PCYT1; SMDCRD
Locus ID:	5130



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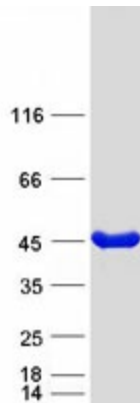
UniProt ID: [P49585](#)

Cytogenetics: 3q29

Summary: This gene belongs to the cytidylyltransferase family and is involved in the regulation of phosphatidylcholine biosynthesis. Mutations in this gene are associated with spondylometaphyseal dysplasia with cone-rod dystrophy. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2015]

Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified PCYT1A protein (Cat# [TP308130]). The protein was produced from HEK293T cells transfected with PCYT1A cDNA clone (Cat# [RC208130]) using MegaTran 2.0 (Cat# [TT210002]).